



#### PUMP

NM FIRE UL/FM approved packaged Fire Sets are specially designed to provide automatic water supply to fixed automatic sprinkler firefighting installations. Fire Pump sets combine single duty diesel and electric powered supply main pumps to ensure serviceability in all conditions as well as a jockey pump to maintain system pressure. The fire sets have UL/FM approved component certificate of compliance and with the unit assembled in conformity to NFPA20 standard to ensure reliability of the assembly. Particular features include: -

- UL/FM approved individual electric motor and diesel engine powered pump sets providing standby supply in event of electrical power failure.
- Separate automatic jockey pump to maintain system pressure restricting start of main pumps to at least one open sprinkler.
- UL/FM approved independent pump controllers for each pump in conformity with NFPA20 fire standards.
- Main pumps of split casing design with Spacer couplings to allow inspection of the hydraulic parts without disconnection of the piping, motor, or engine.
- Vibration dampening system on diesel engine-driven pump set(s) consisting of rubber anti-vibration expansion joints that reduce the amount of vibrations produced by the diesel engine reaching the system.

For all firefighting applications high levels of equipment performance and dependability are vitally important for the protection of both lives and property. NM FIRE fire pumps combine quality UL/FM approved components for optimal operational efficiency to provide competitive pricing for effective, reliable, and easy to install firefighting solutions. Capacities outside the listed range can be provided on request.

#### SPECIFICATIONS

**Supply Pumps:** UL/FM approved split casing pumps featuring gland packing seal and heavy-duty ductile cast-iron construction with stainless steel impellers. Pump models are selected to meet the design pressure and flow rates.

**Diesel Engine:** UL/FM approved NM FIRE non overloading engine suitably rated for pump load fitted with residential type silencer for noise cancellation. Alternatives engines are available on request. Includes positive suction head metallic fuel tank to improve on reliability.

**Electric Motor:** Non overloading TEFC squirrel cage 2 POLE 2900rpm electric motors suitably rated for the pump load.

**Jockey pump:** Option of horizontal or vertical multistage pumps fitted with electric motor.

**Pressure Vessel:** Low maintenance diaphragm type pressure vessel to regulate the jockey pump cycling.

**Piping:** The suction consists of an eccentric taper and concentric expanders for the delivery line together with suitably sized piping to ensure low velocity suction requirements as per NFPA20 standards. Provisions for pump priming.

**Control System:** UL/FM approved Tornatech electric and engine pump controllers that are NEMA2 enclosure complaint.

#### EQUIPMENT SPECIFICATION

Model	Nominal Flow (m³/hr)		High Pressure 10Bar				Model	High Pressure 15Bar			
			Electric Pump		Diesel Pump			Electric Pump		Diesel Pump	
	Parallel Duty	Single Duty	Pump	Motor (kW)	Engine	Engine Power (kW), (UL/FM)		Pump/Impeller Dia	Motor (kW)	Engine	Engine Power (kW), (UL/FM)
FLA NF 110/10	226	113	SCF125-100-300	66	NM4-108	70	FLA NF 110/15	SCF125-80-350	107	NM6-110B	110/114
FLA NF 170/10	340	170	SCF125-100-300	72	NM4-108B	90/87	FLA NF 170/15	SCF125-80-350	118	NM6-110E	143
FLA NF 225/10	552	227	SCF150-125-250	100	NM6-110B	114/110	FLA NF 225/15	SCF125-80-350	137	NM6-110D	200/178